

## WHAT IS CLAIMED IS:

1. An apparatus for measuring and displaying one or more hemodynamic parameters, comprising:
  - a. a portable body sized to be handheld;
  - b. a doppler ultrasound unit mounted in the body;
  - c. a display mounted in the body, said display being capable of displaying at least one measured hemodynamic parameter;
  - d. a transducer mounting assembly comprising at least one ultrasound transducer, wherein the mounting assembly is connected to the body such that the distance the mounting assembly and the body can be adjusted by a user using only one hand; and
  - e. a triggering mechanism connected to the doppler ultrasound unit.
2. The apparatus of claim 1, wherein the transducer mounting assembly comprises an array of ultrasound transducers.
3. The apparatus of claim 2, wherein the array is curved.
4. The apparatus of claim 1, wherein the triggering mechanism is capable of actuating the doppler ultrasound unit.
5. The apparatus of claim 1, wherein the mounting assembly is connected to the body by a wire.
6. The apparatus of claim 1, wherein the triggering mechanism is connected to the transducer by a wire.